

WHAT IS CLAIMED IS:

1. A screw nut assembly for an actuation device which comprises a screw, comprising a main screw nut and a safety screw nut engaged with the screw, for synchronously driving the screw to perform axial linear displacement,
5 wherein the safety screw nut includes an exterior surface and the main screw nut includes a receiving portion for receiving the safety screw nut therein, the receiving portion includes an interior surface recessed with at least one slot and a spring disposed within the slot, such that the safety screw nut is inserted into the receiving portion by a resilient force exerted by the spring.
- 10 2. The assembly of Claim 1, wherein the main screw nut is fabricated from plastic material and the safety screw nut is fabricated from metal.
3. The assembly of Claim 1, wherein the spring includes two terminals and the slot is recessed with two grooves to receive the terminals therein.